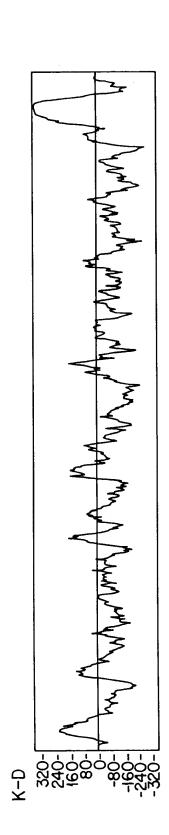
Fig. 1

009	
1200	
1400	
1300	
1200	
1400	
0	
<u>o</u>	



# The first first that the first first that the first first that the first first first that

### 2/15 Fig. 2A

MMP-11	MAPAAWLRSA	AARALLPPML	-IAGAOTITI	1 1 1 1 1 1	IARA	33
MMP-1	MHS	EPPL	LLLLFWGVVS	HSFPATLETQ	EQDVDLVQKY	37
MMP-8	MFSLKTL	PFL	LLLHVQISKA	FPVSSKEKNT	KTVQDY	36
MMP-10	MMHI	AFL	VLLCLPVCSA	YPLSGAAKEE	DSNKDLAQQY	37
MMP-3	MKSL	PIL	LLLCVAVCSA	YPLDGAARGE	DISMNIVQKY	37
MMP-9	MSLWQP	IVLVLLV	LGCCFAAPRQ	ROSTLVLFPG	DLRINLIDRQ	43
MMP-2	1 1 1 1 1	1   1   1   1   1   1   1   1   1   1	AP	SPIIKFPG	DVAPK-TDKE	19
MMP-7	MR	LTVLCAV	CLLPGSLALP	LPQEAGGMSE	TQWE	33
MT-MMP	MSPAP	RPSR	CLLLPLLTLG	TALASLGSAQ	SSSFS-PEAW	38
Consensus	М	. P. L	LLL		:	20

MMP-8 MMP-10 MMP-9 MMP-2 MMP-7 MT-MMP	L-EKFYQLPS L-EKYYNLEK L-ENYYDLKK LAEEYLYRYG LAVQYLNTF- QAQDYLKRF- L-QQYGYLPP	NQYQSTRKNG DVKQFVRRK-D DVKQFVRRKD YTRVAEMRGE YGCPKE-SCN YLYDSETK-N GDLRTHTQRS	INVIVEKLKE SNLIVKKIQG SGPVVKKIRE SKSLGPALLI LFVLKDTLKK ANSLEAKLKE	MQKFFGLNVT MQKFLGLEVT LQKQLSLEVT MQKFFGLPQT MQKFFGLPIT MQKFFGLPIT	GKENEETLDM GKLDTDTLEV GKLDSDTLEV GELDSATLKA GDLDQNTIET GMLNSRVIEI GKADADTMKA	88 86 93 67 81
Consensus	L-E.YL	: : : :	KL	MQKF.GL.VT	GKLDTL	100

# and the properties of the state of the state

### 3/15 Fig. 2B

123 127 126 126 127 134 132	150	165 169 168 169 176 150 187
ILREPWQLVQ IENYTPDLPR IRNYTPDLPR IVNYTPDLPR IVNYTPDLPR IQNYSEDLPR IIGYTPDLDP IVSYTRDLPH IQNYTPKVGE	I.NYTPDLP.	MIDFARYWDG MISFVRGDHR NIAFYQRDHG MISFAVKEHG VIQFGVAEHG VIQFGVAEHG MIGFARGAHG MIGFARGAHG
RWEKTDLTYR KWERTNLTYR KWRKTHLTYR KWRKTHLTYR KWHHHNITYW KWDKNQITYR KWTSKVVTYR	KWT.LTYR	HEGRADISEGQADISQGEADIYEGEADIYEGEADIYSRDADIHDGEADIHDGEADIHDGEADI
RQKREVLSGGTE-GNPFP-GNPFP-GNPFE-GDLFP-RKPFP-RKP	FP-G.P	TFTEV  IFTRV  TFSRL  TFSRL  TFTRV  RFSRI  RFSRI  RFSRI  TFTRV
-PSDGLSARN -VAQ-FVLSGG-FMLVGH-FSSVGH-FRTLGR-FQTVAN-YNFVAE-YSL	-VGF	LKVWSDVTPL FQLWSNVTPL FELWSVASPL LKVWEEVTPL LKVWEEVTPL FALWSAVTPL FQVWSDVTPL LNMWGKEIPL ERVWESATPL
LRPPRCGVPD MKQPRCGVPD MKKPRCGVPD MRKPRCGVPD MRTPRCGVPD MRTPRCGVPD MRTPRCGVPD MRKPRCGVPD	MRKPRCGVPD	EQVRQTMAEA ADVDHAIEKA AEVERAIKDA DAVDSAIEKA DAVDSAVEKA AVIDDAFARA ETVDDAFARA ITVDRLVSKA YATYEAIRKA
MMP-11 MMP-1 MMP-8 MMP-3 MMP-9 MMP-2 MMP-7 MT-MMP	Consensus	MMP-11 MMP-1 MMP-8 MMP-10 MMP-3 MMP-9 MMP-2 MMP-7 MT-MMP

### and then the second of the sec

4/15

Fig.

210 210 211 275 249 229 300 210 210 211 221 199 229 211 207 211 207 250 WVVPTREGNA QVVRVKYGNA DRFGFCPSER GKYGFCPHEA EYN---------NIS ----N. --------GTD----CTN--------NTO -----NXN GTN----DETWTIGDDQ DE.WT...-CSTTYNFEKD DELWTLGEG-CSTTANYDID DERWINNFT-EETWTNTSA-DEQWTKDTT-DERWIDGSSL DEKWTEDAS-DELWSLGKG-------AEPWTVRNE-GIGGDAHFDE GIGGDAHFDA GINGDAHFDD GIQGDAHFDD GLGGDAHFDE DTGRSDGFLW HREGDVHFDY GLYGDIHFDD GVGGDSHFDD NIGGDTHFDS GIGGDAHFD. TDGRSDGLPW ------LAHAF. PGP NLAHAFQPGP VLAHAYPPGP VLAHAYAPGP LLAHAFPPGP FNGKEYNSCT LIAHAFFPKT ILAHAFQPGQ LLAHAFAPGT TLAHAFAPGT FLAHAYFPGP FEGRSYSACT ------DDLPEDGPGG DNSPFDGPGG DNSPFDGPNG DGYPFDGKDG DGYPFDGKDG D. YPFDGPGG DEYPEDGPGN DSTPFDGEGG DGEYCKFPFL DFYSFDGPGH DSYPFDGPGN DGAACHFPFI Consensus Consensus MMP-10 MT-MMP MMP-10 MT-MMP MMP-11 MMP-1 **MMP-8 MMP-3** MMP-9 MMP-2 MMP-7 MMP-11 **MMP-8** MMP-3 MMP-2 MMP-1 MMP-9 MMP-7

# The first case of the first ca

------5/15 Fig. 2D

208	211	210	210	211	1 1 0	323	299	207	229	350	208	211	210	210	211	375	348	200	229	400
				         	TAGGGANCHE	THENTOWN	TTEDYDRDKK	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	RGDGRLWCAT	RSDGKMWCAT			
					なりはなるという	SOLIDIE CON CONTROL CO	GKTDGYKWCG				1 1 1 1 1 1 1					KEYSTCTSEG	NKYESCTSAG			
				]	の中中しなどとのこ	日田日でないから	GISTOSCILE									LCVFPFTFLG	PCVFPFTFLG			
					KPCOFPFIFO		Xrove rene X		 		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1   1   1   1   1   1   1   1   1   1			TVMGGNSAGE	TVGG-NSEGA			
					LYTRDGNADG	T.FTMCCNDEC		 								FGFCPTRADS	YGECPETAMS			
MMP-11	MMP-1	MMP-8	MMP-10	MMP-3	MMP-9	MMP-2	1 6	/ - AWIN	MT-MMP	Consensus	 MMP-11	MMP-1	MMP-8	MMP-10	MMP-3	MMP-9	MMP-2	MMP-7	MT-MMP	Consensus

#### 6/15 Fig. 2E

			i Pa ·	•		
MMP-11	1 1 1 1 1 1	I	LQVAA-HEFG	HVLGLQHTTA	AKALMSAFY-	237
MMP-1		I	HRVAA-HELG	HSLGLSHSTD	IGALMYPSY-	240
MMP-8	1 1 1 1 1 1 1 1	T	FLVAA-HEFG	HSLGLAHSSD	PGALMYPNY-	239
MMP-10	 	T	FLVAA-HELG	HSLGLFHSAN	TEALMYPLYN	240
MMP-3	1 1 1 1 1	T	FLVAA-HEIG	HSLGLFHSAN	TEALMYPLYH	241
MMP-9	TSNFDSDKKW	GFCPDQGYSL	FLVAA-HEFG	HALGLDHSSV	PEALMYPMY-	423
MMP-2	TANYDDDRKW	GFCPDQGYSL	FLVAA-HEFG	HAMGLEHSQD	PGALMAPIY-	396
MMP-7	1 1 1 1 1 1 1		FLYAATHELG	HSLGMGHSSD	PNAVMYPTY-	236
MT-MMP		IQND	FLVAV-HELG	HALGLEHSSD	PSAIMAPFY-	261
Consensus		I	FLVAA-HE.G	HSLGL.HS.D	P.ALMYP.Y-	450
MMP-11	TFRYPLSL	SPDDCRGVQH	LYG			258
MMP-1	TFSGDVQL	AQDDIDGIQA	IXG		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	261
MMP-8	AFRETSNYSL	PODDIDGIOA	IXG		 	262
MMP-10	SFTELAQFRL	SÕDDANGIÕS	LYG			263
MMP-3	SLIDLIRFRL	SÕIDNIGGÕS	LYG		1 1 1 1 1 1 1 1 1 1	264
MMP-9	RF—-TEGPPL	HKDDVNGIRH	LYGPRPEPEP	RPPTTTTPQP	TAPPTVCPTG	471
MMP-2	TYTKNFRL	SQDDIKGIQE	LYG			417
MMP-7	GNGDPQNFKL	SQDDIKGIQK	LYGKRSNSRK	K		267
MT-MMP	<b>OWNDTENEVL</b>	PDDDRRGIQQ	LYGGESGFPT	KMPPQPRTTS	RPSVPDKPKN	311
Consensus	년. 	sgbbi.gig.	LYG			200

### 7/15 Fig. 2F

MMP-11		QPW	PTVTSRTPAL	GPQAGIDTNE	IAPLEPDAPP	291
MMP-1			RSQNPVQP-I	GPQTP	KAC	278
MMP-8	 		LSSNP-I	QPTGPST	PKPC	279
MMP-10		4B	PPASTEEP-L	VPTKSVP	S-GSEMPAKC	289
MMP-3	1 1 1 1 1	4	PPDSPETP-L	VPTEPVP	P-EPGTPANC	290
MMP-9	PPTVHPSERP	TAGPTGPPSA	GPTGPPTA-G	PSTATTV	PLSPVD-DAC	516
MMP-2			ASPDI-D	LGTGPTP	TLGPVTPEIC	440
MMP-7			1   1   1   1   1   1   1   1   1   1			267
MT-MMP	PTYGPNICDG	NFDTVAMLRG	EMEVEKKRWE	WRVRNNQVMD	GYPMPIGQFW	361
Consensus			-d:	. PT	O :	550
MMP-11	DACEASFDAV	STIR-GELFF	FKAGFVWRLR	GGQL-QPGYP	ALASRHWQGL	339
MMP-1	DS-KLTFDAI	TTIR-GEVMF	FKDRFYMR-T	NPFY-PEVEL	NFTSVFWPQL	324
MMP-8	DP-SLTFDAI	TTLR-GEILF	FKDRYFWR-R	HPQL-QRVEM	NFISLEWPSL	325
MMP-10	DP-ALSFDAI	STLR-GEYLF	FKDRYFWR-R	SHWN-PEPEF	HLISAFWPSL	335
MMP-3	DP-ALSFDAV	STLR-GEILI	FKDRHFWR-K	SLRK-LEPEL	HLISSFWPSL	336
MMP-9	NV-NI-FDAI	AEIG-NOLYL	FKDGKYWRFS	EGRGSRPQGP	FLIADKWPAL	563
MMP-2	<b>KQ-DIVFDGI</b>	AQIR-GEIFF	FKDRFIWRTV	TPRD-KPMGP	LLVATFWPEL	487
MMP-7						267
MT-MMP	RGLPASINTA	YERKDGKFVF	FKGDKHWVFD	EASLEPGYPK	HIKELGRG-L	410
Consensus	DFDAI	.T.R-GEF	FKDRWR	:	.L.S.FWP.L	009

#### 8/15 Fig. 2G

MMP-11	P-SPVDAAFE	-DAQGHIWFF	QGAQYWVYDG	EKPVLGP	APL-TELGLV	383
MMP-1	P-NGLEAAYE	FADRDEVRFF	KGNKYWAVQG	QNVLHGYP	KDIYSSFGFP	371
MMP-8	P-TGIQAAYE	DFDRDLIFLF	KGNQYWALSG	YDILQGYP	KDI-SNYGFP	371
MMP-10	P-SYLDAAYE	VNSRDTVFIF	KGNEFWAIRG	NEVQAGYP	RGI-HTLGFP	381
MMP-3	P-SGVDAAYE	VTSKDLVFIF	KGNQFWAIRG	NEVRAGYP	RGI-HTLGFP	382
MMP-9	P-RKLDSVFE	EPLSKKLFFF	SGRQVWVYTG	ASV-LGP	RRL-DKLGLG	607
MMP-2	P-EKIDAVYE	APQEEKAVFF	AGNEYWIYSA	STLERGYP	KPL-TSLGLP	533
MMP-7						267
MT-MMP	PIDKIDAALF	WMPNGKTYFF	RGNKYYRFNE	ELRAVDSEYP	KNIKVWEGIP	460
Consensus	PDAAYE	सम •	. GN. YW G	GYP	ILG.P	650
MMP-11	RFPVHAAL	VWGPEKNKIY	FFRGRDYWRF	HPSTRRVDSP	VPRRATDWRG	431
MMP-1	RTVKHIDAAL	S-EENTGKTY	FFVANKYWRY	DEYKRSMDPG	YPKMIAHDFP	420
MMP-8	SSVQAIDAAV	FYRSKTY	FFVNDQFWRY	DNQRQFMEPG	YPKSISGAFP	418
MMP-10	PTIRKIDAAV	S-DKEKKKTY	FFAADKYWRF	DENSQSMEQG	FPRLIADDFP	430
MMP-3	PTVRKIDAAI	S-DKEKNKTY	FFVEDKYWRF	DEKRNSMEPG	FPKQIAEDFP	431
MMP-9	ADVAQVTGAL	R-SGRGKM-L	LFSGRRLWRF	DVKAQMVDPR	SASEVDRMFP	655
MMP-2	PDVQRVDAAF	N-WSKNKKTY	IFAGDKFWRY	NEVKKKMDPG	FPKLIADAWN	582
MMP-7						267
MT-MMP	ESPRGSFM-G	SDEVFTYFYK	GNKYWKFNNQ	KLKVEPGYPK	SALRDWMGCP	509
Consensus	VDAA.	KTY	FFK.WR.	DM.PG	. P I FP	700

### 9/15 Fig. 2H

473 458 468 469 697 559	750	489 469 476 477 708 582	196
PRLV TKRILTLQ AQRVTRVA ARMVTHIL AKKVTHTL QVDQVGYV N-QSLKSVKF			
PVKVKALEGF GTRQYKFDPK GPRYYAFDLI GSSQFEFDPN GSSQLEFDPN WRVSSRSELN FKGAYYLKLE			
LRGRLYWKFDYF-FHYF-FSYF-FTCQDR-FYHS-YF	Ex.	NTFLX	
FQDADGYAYF VFMKDGFF VLQAFGFF VFEEFGFF VFQYREKAYF VVDLQGGG	V	CAEPA CRKN CRYGX C CPEDX CDX CDX C	C
VPSEIDAA GIGHKVDA GIESKVDA GVEPKVDA GIDSKIDA GVPLDTHD AIPDNLDA	GDA	GPD-FFGKANSWFNRGNKWLNKSNSWLHTYD-ILQ GSIKSD-WLG	WIL.
MMP-11 MMP-1 MMP-10 MMP-3 MMP-9 MMP-2 MMP-7 MT-MMP	Consensus	MMP-11 MMP-1 MMP-8 MMP-10 MMP-9 MMP-2 MMP-7 MT-MMP	Consensus

Fig. 3

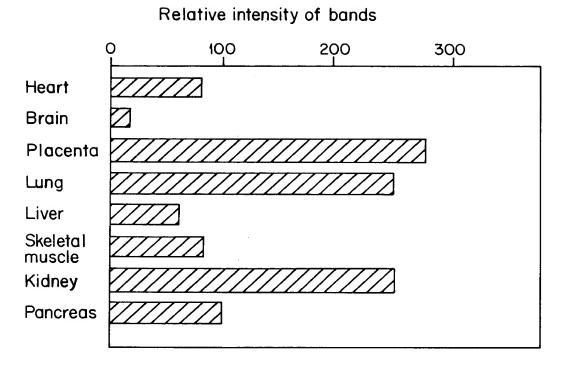


Fig. 4

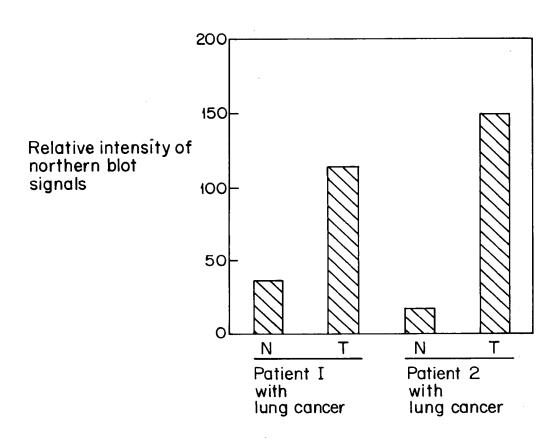


Fig. 5

MT-MMP cDNA transfection Antibody

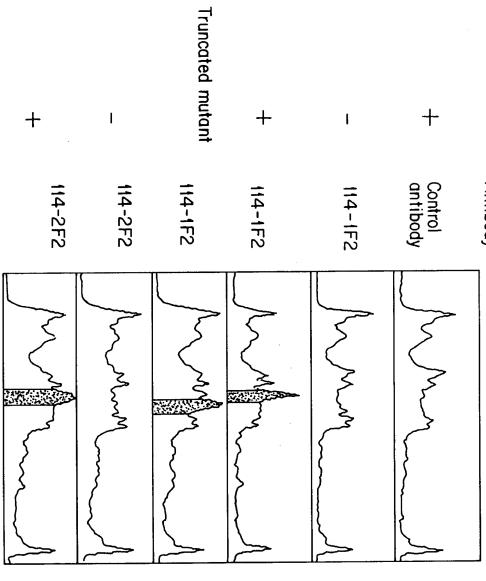


Fig. 6

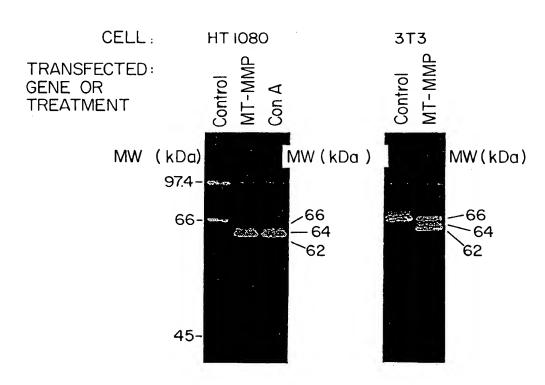


Fig. 7

CELL MEMBRANE FRACTION:

HT 1080 CULTURE SUPERNATANT:

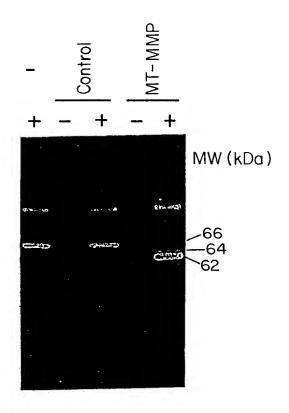


Fig. 8

